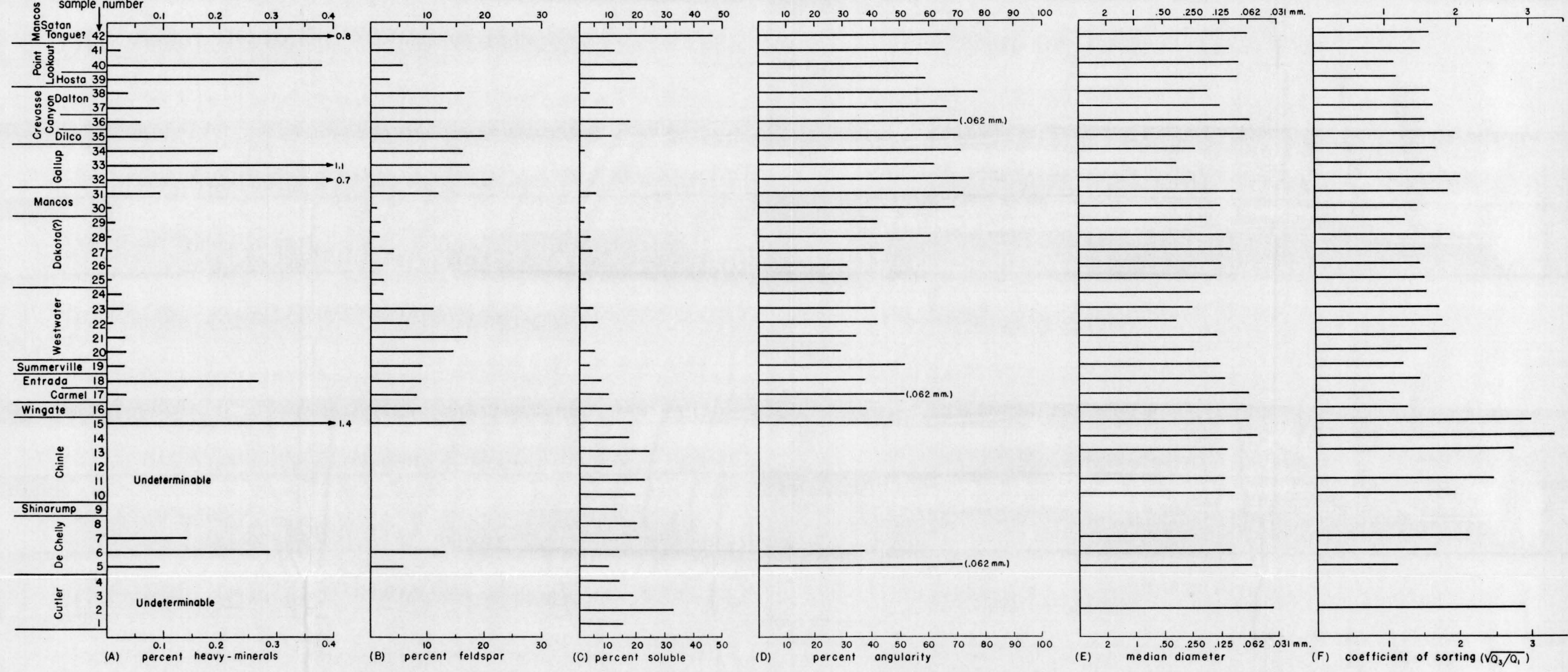


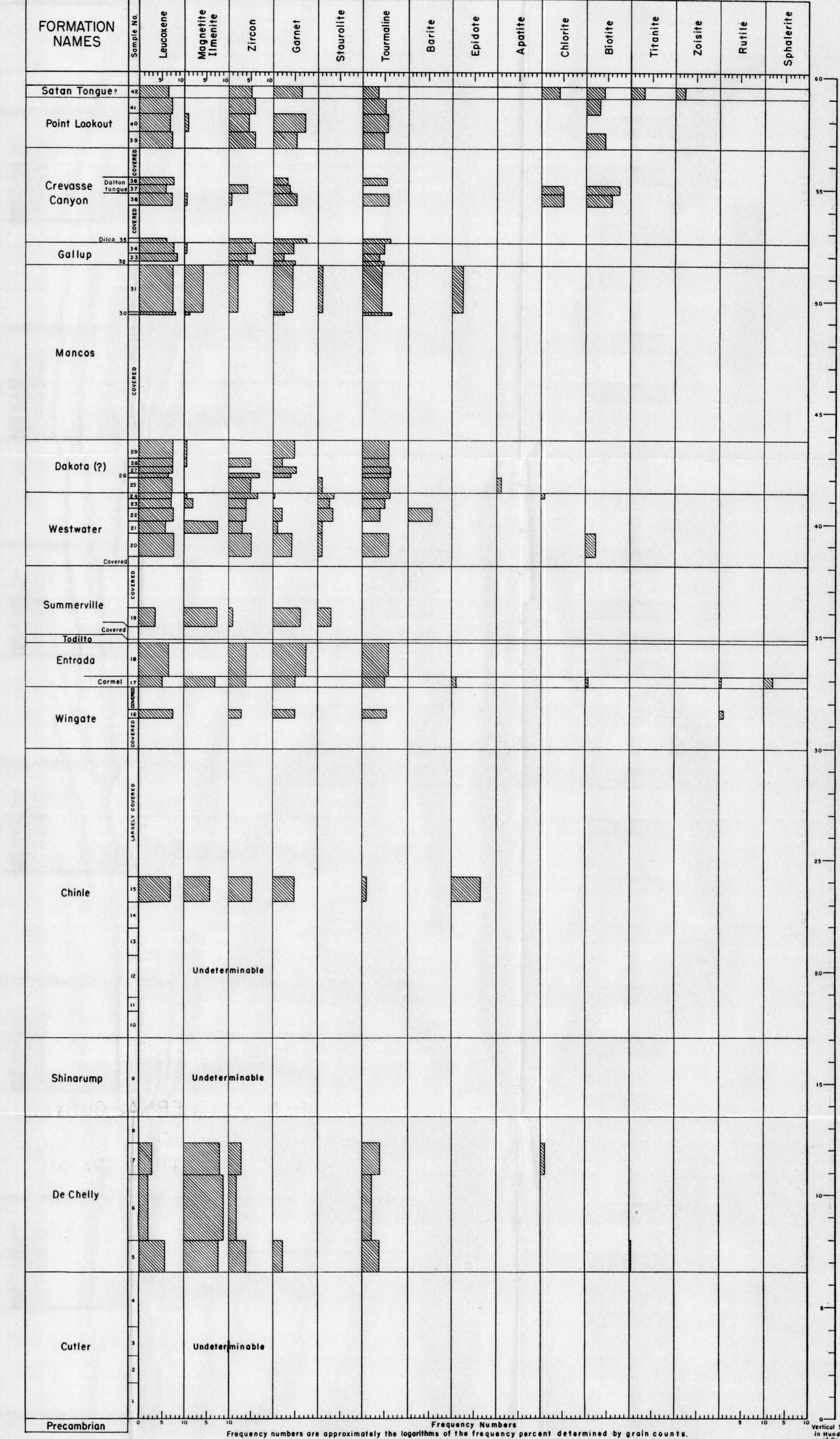
DIFFERENTIAL THERMAL CURVES AND THEIR RELATION TO STRATIGRAPHY



SUMMARY OF QUANTITATIVE PETROGRAPHIC DATA

Formation Names	Sample number	Tourmaline		Garnet		Zircon		Staurolite	Leucosane	Pyrite	Epidote	Apatite	Sphalerite	Chlorite	Titanite	Zoisite	Rutile	Inclusions in Quartz	
		subhedral	angular	subhedral	angular	subhedral	angular												subhedral
Satan tongue ?	42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Point Lookout	41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hosta tongue	39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Crevasse Canyon	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dalton tongue	37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Crevasse Canyon Dilco member	35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Gallup	34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mancos	31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dakota (?)	27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Westwater	21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Summerville	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Entrada	17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Wingate	16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chinle	13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Shinarump	9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
De Chelly	7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cutler	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

MINERALOGY AND RELATION TO STRATIGRAPHY



HEAVY-MINERAL FREQUENCIES AND RELATION TO STRATIGRAPHY